

H-K Building #: 17  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/24/89  
 Inspector: TIM SWARTZ

ASBESTOS ASSESSMENT SURVEY

Building Number: 17  
 Building Name: ENGINEERING OFFICE  
 SEATTLE, WASHINGTON  
 Building Type: OFC/STRG  
 Year Constructed: 1933

*****	AREA NUMBER: 01	AREA DESCRIPTION: Basement-South Crawl Space	AREA AVERAGE % ASBESTOS: 54%	*****
-------	-----------------	----------------------------------------------	------------------------------	-------

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast corner	00-356244	60%	pipe covering	OMA	5 ft. 4 in.	O.D.	HPS/R	45	11	\$45	\$28	\$73
southeast corner	00-356244	60%	pipe covering	OMA	18 ft. 6 in.	O.D.	HPS/R	45	11	\$234	\$146	\$380
along south, west & east walls	00-356248	50%	corrugated pipe covering	OMA	115 ft. 4 in.	O.D.	HPS/R	45	11	\$1,026	\$642	\$1,668
southeast corner	01-356245	60%	mjp on pipe covering	OMA	5 6 in.	O.D.	HPS/R	45	11	\$193	\$114	\$307
southeast corner	01-356245	60%	mjp on pipe covering	OMA	1 4 in.	O.D.	HPS/R	45	11	\$28	\$16	\$44
	01-356246	60%						45	11			
	01-356247	60%						45	11			
along south, west & east walls	02-356249	40%	mjp on corrugated pipe cover	OMA	15 4 in.	O.D.	HPS/R	45	11	\$421	\$234	\$655
	02-356250	40%						45	11			
	02-356251	40%						45	11			

AREA COMMENTS

The materials are in fair to poor condition with significant contact and water damage. The materials are approximately 1' to 5' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a low traffic area.

AREA # 01	TOTAL	\$1,947	\$1,180	\$3,127
-----------	-------	---------	---------	---------

*****	AREA NUMBER: 02	AREA DESCRIPTION: Basement-South Crawl Space	AREA AVERAGE % ASBESTOS: 60%	*****
-------	-----------------	----------------------------------------------	------------------------------	-------

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast corner-on floor	03-356252	60%	debris	OMF	14 sq.ft.			113	I	\$100	\$0	\$100
	03-356253	60%						113	I			
	03-356254	60%						113	I			

AREA COMMENTS

Magnesia pipe insulation debris was found in this area. It was mixed in with the soil floor so a portion of the soil should be removed at the same time that the debris is removed. When removal becomes feasible, gross removal procedures are recommended.

AREA # 02	TOTAL	\$100	\$0	\$100
-----------	-------	-------	-----	-------

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 17  
Project Number: 0980193E  
Project: G. HEILEMAN BREWERY "E"  
Date Inspected: 03/24/89  
Inspector: TIM SWARTZ

Building Number: 17  
Building Name: ENGINEERING OFFICE  
SEATTLE, WASHINGTON  
Building Type: OFC/STRG  
Year Constructed: 1933

*****	AREA NUMBER: 03	AREA DESCRIPTION: Basement	AREA AVERAGE % ASBESTOS: 55%	*****
-------	-----------------	----------------------------	------------------------------	-------

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast area-at ceiling	00-356244	60%	pipe covering	OMA	10 ft.	4 in. O.D.	HPS/R	59	11	\$89	\$56	\$145
southeast area-at ceiling	00-356248	50%	corrugated pipe covering	OMA	22 ft.	4 in. O.D.	HPS/R	59	11	\$196	\$123	\$319

AREA COMMENTS

The materials appear to be in fair to poor condition with significant contact and water damage. The materials are approximately 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 03 TOTAL \$285 \$179 \$464

*****	AREA NUMBER: 04	AREA DESCRIPTION: Ground Floor-North Storage Area	AREA AVERAGE % ASBESTOS: 80%	*****
-------	-----------------	---------------------------------------------------	------------------------------	-------

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
south central area-at ceiling	00-356255	80%	pipe covering	OMA	10 ft.	4 in. O.D.	HPS/R	41	11	\$89	\$56	\$145

AREA COMMENTS

The material is in fair condition with minor contact and water damage. The material is approximately 10' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 04 TOTAL \$89 \$56 \$145

*****	AREA NUMBER: 05	AREA DESCRIPTION: Ground Floor-Office In Southeast Corner	AREA AVERAGE % ASBESTOS: 80%	*****
-------	-----------------	-----------------------------------------------------------	------------------------------	-------

LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
pipe chase-in southeast corner of room	00-356255	80%	pipe covering	OMA	8 ft.	4 in. O.D.	HPS/R	22	111	\$71	\$45	\$116

AREA COMMENTS

The material is in good condition with minor contact damage. The material is approximately 1' to 8' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 05 TOTAL \$71 \$45 \$116

ASBESTOS ASSESSMENT SURVEY

H-K Building #: 17  
 Project Number: 0980193E  
 Project: G. HEILEMAN BREWERY "E"  
 Date Inspected: 03/24/89  
 Inspector: TIM SWARTZ

Building Number: 17  
 Building Name: ENGINEERING OFFICE  
 SEATTLE, WASHINGTON  
 Building Type: OFC/STRG  
 Year Constructed: 1933

---

BUILDING # 17	TOTAL	\$2,492	\$1,460	\$3,952
---------------	-------	---------	---------	---------